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| U.S. Department of Commerce, Patent and Trademark Office |  | Docket No.          | Serial No.    |
|  |  | LYNN/0144.B         | NEW 10/647104 |
| LIST OF RELEVANT ART CITED BY APPLICANT                  |  | Applicant           |               |
| (Use several sheets if necessary)                        |  | Waheguru, Pal Singh |               |
|  |  | Filing Date         | Group         |
|  |  | August 21, 2003     |               |

## U.S. Patent Documents

| *Examiner Initial |   | Document Number | Issue Date    | Name             | Class | Subclass | Filing Date If Appropriate |
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| SJB               | A | 5,165,901       | Nov. 24, 1992 | Crozier, et al.  |       |          |                            |
|                   | B | 4,571,266       | Feb. 18, 1986 | Konig, et al.    |       |          |                            |
|                   | C | 4,105,742       | Aug. 8, 1978  | Edwards, et al.  |       |          |                            |
|                   | D | 4,382,067       | May 3, 1983   | Richard A. Grant |       |          |                            |
|                   | E | 4,041,126       | Aug. 9, 1977  | Baltz, et al.    |       |          |                            |
|                   | F | 4,726,841       | Feb. 23, 1988 | Grant, et al.    |       |          |                            |
|                   | G | 5,256,187       | Oct. 26, 1993 | David L. Gefvert |       |          |                            |
|                   | H | 5,908,814       | Jun. 1, 1999  | Patel, et al.    |       |          |                            |
|                   | I | 5,380,947       | Jan. 10, 1995 | Chen, et al.     |       |          |                            |
|                   | J | 5,284,633       | Feb. 8, 1994  | David L. Gefvert |       |          |                            |
|                   | K | 6,207,143       | Mar. 27, 2001 | Lezdey, et al.   |       |          |                            |
|                   | L | 5,478,376       | Dec. 26, 1995 | Grant, et al.    |       |          |                            |
|                   | M | 4,861,564       | Aug. 29, 1989 | Julius Rebek     |       |          |                            |

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## Translation

|  |  | Document Number | Date | Country | Class | Subclass | Yes | No |
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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|  |  | LYNN/0144.B         | NEW 10/647107 |
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| sgb         | N | ZA 8006992      | Oct. 28, 1981 | South Africa |       |          |        |
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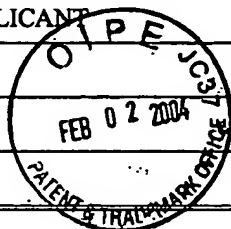
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| sgb | P | Jan G. H. du Preez, Elmaré S. Herselman, Hans E. Rohwer, and Bennie J.A.M. van Brecht; "Polynitrogen reagents in metal separations. Part 2. Diquaternary ammonium cations as precipitants for cobalt (II) and copper (II) in hydrochloric acid medium"; South African Journal of Chemistry, vol 38, no 2, 1985 pages 49053, XP009016468 |
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| sgb | R | XP 002253113, Database CA Online, chemical Abstracts Service, Columbus, Ohio, US; Du Preez, Jan Gysbert Hermanus: "Organic diammonium and related compounds as solvent extractants", retrieved from STN data base accession no 97: 42075  |

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| (Use several sheets if necessary)                        |  | Waheguru, Pal Singh |            |
|  |  | Filing Date         | Group      |
|  |  | August 21, 2003     | 1754       |



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| T2 | WPI abstract; AN: 2001-103670 XP-002262954 & CN 1 146 495 (UNIV LAMZHOU (CN)); 2 April 1997 (1997-04-02)  |
| U2 | JP 10 008155 A (Nakazawa Hiroyuki (JP)) 13 January 1998 (1998-01-13) & PAJ abstract   |
| V2 | JP 59 179724 A (Tanaka Kikinzoku Kogyo KK (JP)) 12 October 1984 ((1984-10-12) & PAJ abstract  |
| W2 | JP 58 1754532 A (Tanaka Kikinzoku Kogyo KK (JP)) 13 October 1983 (1983-10-13) & PAJ abstract  |
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| Y2 | Vanessa J. Wotring, David M. Johnson, and Leonidas G. Bachas; "Polymeric Membrane Anion-Selective Electrodes Based on Diquaternary Ammonium Salts; Anal Chem. 1990, 62, pgs 1506-1510 |
| Z2 | J. Letho; "Ion Exchange in the Nuclear Power Industry"; Ion Exchange Process Advances and Applications; pgs 39-53   |
| A3 | M. A. Sadler, "Developments in the Production and Control of Ultrapure Water"; Ion Exchange Process Advances and Applications; pages 15-28  |
| B3 | Arup K. Sengupta and Tushar Roy; "Ion Exchange Mechanism, Resin Properties and Selective Removal of Hexavalent Chromate"; pgs 194-203   |
| C3 | S. Fredric Marsh; "The Effect of Trimethyl, Triethyl, Tripropyl, and Tributyl Amine Functional Groups in Strong-base Anion Exchange Resin on the Sorption of Pu(IV) from Nitric Acid" |
| D3 | Piers Grumett, "Precious Metal Recovery from Spent Catalysts"; Platinum Metals Rev, 2003, 47, (4) pgs 163-166   |

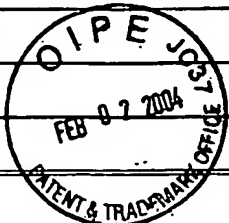
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| U.S. Department of Commerce, Patent and Trademark Office | Docket No.         | Serial No. |
|  | LYNN/0144.C        | NEW        |
| LIST OF RELEVANT ART CITED BY APPLICANT                  | Applicant          |            |
| (Use several sheets if necessary)                        | Waheguru Pal Singh |            |
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| <i>A</i>          | B2 | 4,571,266       | Feb. 18, 1986 | Konig, et al.    |       |          |                            |
|                   | C2 | 4,105,742       | Aug. 8, 1978  | Edwards, et al.  |       |          |                            |
|                   | D2 | 4,382,067       | May 3, 1983   | Richard A. Grant |       |          |                            |
|                   | E2 | 4,041,126       | Aug. 9, 1977  | Baltz, et al.    |       |          |                            |
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|                   | G2 | 5,256,187       | Oct. 26, 1993 | David L. Gefvert |       |          |                            |
|                   | H2 | 5,908,814       | Jun. 1, 1999  | Patel, et al.    |       |          |                            |
|                   | I2 | 5,380,947       | Jan. 10, 1995 | Chen, et al.     |       |          |                            |
|                   | J2 | 5,284,633       | Feb. 8, 1994  | David L. Gefvert |       |          |                            |
| <i>V</i>          | K2 | 6,207,143       | Mar. 27, 2001 | Lezdey, et al.   |       |          |                            |
| <i>SJB</i>        | L2 | 5,478,376       | Dec. 26, 1995 | Grant, et al.    |       |          |                            |
|                   | M2 | 4,861,564       | Aug. 29, 1989 | Julius Rebek     |       |          |                            |
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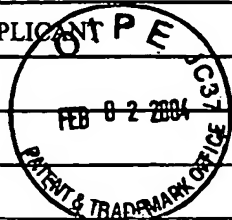
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| 8JB | R2 | XP 002253113, Database CA Online, chemical Abstracts Service, Columbus, Ohio, US; Du Preez, Jan Gysbert Hermanus; "Organic diammonium and related compounds as solvent extractants", retrieved from STN data base accession no 97: 42075  |
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| 8JB | T2 | WPI abstract; AN: 2001-103670 XP-002262954 & CN 1 146 495 (UNIV LAMZHOU (CN)); 2 April 1997 (1997-04-02)  |
| 8JB | U2 | JP 10 008155 A (Nakazawa Hiroyuki (JP)) 13 January 1998 (1998-01-13) & PAJ abstract   |
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| 8JB | Y2 | Vanessa J. Wotring, David M. Johnson, and Leonidas G. Bachas; "Polymeric Membrane Anion-Selective Electrodes Based on Diquaternary Ammonium Salts; Anal Chem. 1990, 62, pgs 1506-1510   |
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Sheet 1 of 1 sheets

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